



## FLWEMS Paramedic Medication Information For:

### **OXYGEN**

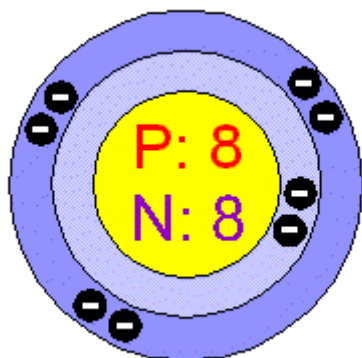
(O<sub>2</sub>)

<b>Class:</b>	Gas
<b>Actions:</b>	Necessary for cellular metabolism.
<b>Indications:</b>	Hypoxia.
<b>Contraindications:</b>	None.
<b>Precautions:</b>	Use cautiously in patients with COPD, humidify when providing high-flow rates.
<b>Side Effects:</b>	Drying of mucous membranes.
<b>Dosage:</b>	Cardiac arrest: 100%.
<b>Other Critical Patients:</b>	100%.
<b>COPD:</b>	35%.
<b>Routes:</b>	Inhalation.
<b>Pediatric Dosage:</b>	24-100% as required.

### **Basic Information**

Atomic Number:	8
Atomic Mass:	15.9994 amu
Melting Point:	-218.4 °C (54.750008 °K, -361.12 °F)
Boiling Point:	-183.0 °C (90.15 °K, -297.4 °F)
Number of Protons/Electrons:	8
Number of Neutrons:	8
Classification:	Non-metal
Crystal Structure:	Cubic
Density @ 293 K:	1.429 g/cm <sup>3</sup>
Color:	Colorless
Doses:	2 – 15Lpm
Date of Discovery:	1774
Discoverer:	Joseph Priestly
Name Origin:	From the Greek words <i>oxus</i> (acid) and <i>gennan</i> (generate)
Uses:	Supports life
Obtained From:	From liquid air

### **Atomic Structure**



**Number of Energy Levels: 2**

**First Energy Level: 2**  
**Second Energy Level: 6**

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(O<sub>2</sub>)

**Isotopes**

Isotope	Half Life
O-15	122.2 seconds
O-16	Stable
O-17	Stable
O-18	Stable

**END OF INFORMATION – NOTHING FOLLOWS**